

METHOD OF OPERATION

For the switching-on signal to be activated (the connection of internal relay contacts), the user has to dial the device's SIM card number. After having received one or two calls, the device rejects it, if the call matches one of the numbers available in the internal data base of the device. If the number does not match, the device would not respond to calls.

The device rejects the switching-on signal either when the delay time runs out or when it receives a signal due to activation of an external button or sensor, depending on the configuration of the device.

When the device is operating, the list of numbers available in its memory may be edited by means of SMS messages.

Note: the device responds SMS that come from the number which was entered at 0th position in the internal data base of numbers.

IMPORTANT



The sign on the packaging means that the user's manual provided on a compact disk must be read before using the product.



The sign on the packaging means that the electric and electronic equipment to be utilised must be stored separately.

AND LAST...

In case you have problems with the installation and use, please address them to the Technical Assistance Department by e-mail support@teltonika.lt.



VRT014

Quick Start Guide V0.2

Thank you for purchasing our product. We hope this user-friendly device will be helpful in realising your ideas and bringing comfort to your life. Please take few minutes to read this manual before starting to work with VRT014. This would make the installation and use of device easier.

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INTRODUCTION

VRT014 is a very simple device which can be used for authorised door access, controlling gates, switching of remote equipments, car parking systems, activate/deactivate alarm systems and etc. Basically this device can be used in places which require ON/OFF switching action. This ON/OFF functionality of VRT014 can be achieved by making a phone call.

Whenever a person calls VRT014, the device compares the phone number of incoming call with the numbers stored in the memory of device. If a match is found, it means the caller is an authorized person. Due to this VRT014 will turn ON its' output, in short, sending a signal to activate the connected device. VRT014 does not have any answer function; therefore, the calling person does not have to pay any charges for the call.

Up to 500 different numbers can be stored in the memory of device.

Once VRT014 turns the output ON, there are two ways in which the output can be turned OFF,

a) Relay timeout: You can choose the time for which the output should be ON. Once this timer expires the output will be turned OFF.

b) External input: VRT014 has one digital input. When a logically high signal is given to this input the output will be turned OFF. For giving a high signal switch or sensor can be connected.

VRT014 can be configured in two ways,

a) By sending an SMS

b) By connecting the device to a PC using COM port interface and the VRT014 configuration software.

PACKAGE CONTENTS

- ☞ Cardboard box.
- ☞ Device VRT014.
- ☞ CD (including the required information and software.)
- ☞ Configuration cable for connection between the device and personal computer
- ☞ GSM antenna.
- ☞ Quick start guide

Note: The package does not include any SIM card. The SIM card must be acquired from your GSM service supplier.

If any part from the package is missing, please contact your local dealer, seller or the business representative.

TECHNICAL SPECIFICATIONS

Power Supply Voltage.....	10-15 V
Average Power consumption.....	2 W
Operating Temperature.....	-20...+40C
Maximum Switching Current.....	5 A
Maximum Switching Voltage.....	220V
Dimensions.....	90mmx58mmx53mm

MAKING THE DEVICE READY FOR WORK

After purchasing the device it needs to be configured, i. e. the list of numbers which the device would respond to must be recorded in the memory as well as the parameters of the switching-on signal of the operating device.

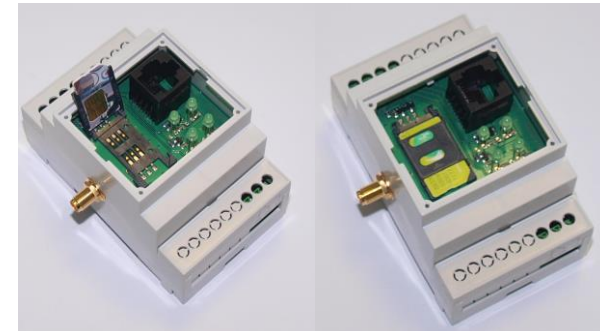
When the device is switched on for the first time, its data base of numbers is empty. The device must be configured by a personal computer and a programme since the configuration command by SMS messages may be received only from numbers which are already available in the data base.

Note: The configuration can be done after the device is bought or at a later stage, when the device has been prepared for use.

The device is fixed onto DIN board and connected as shown in the labelling on the body.

Before using the device, insert a SIM card with an unlocked PIN code check. PIN code check may be unlocked by any mobile phone or other appropriate device. For more comprehensive information, please refer to the internet service provider, the owner of the SIM card.

Note: the SIM card may only be inserted while the power supply of the device is unplugged



Picture 3. Inserting SIM card

After the device is switched on and configured, it is ready for use.

When the device is turned on for the first time, please see if it is properly switched on.

One only needs to watch the signals of the light diodes: if the device is switched on properly, the signals of the light diodes would be activated as specified in the table.

Table 1. Boot stage sequences

Turn-by-turn signals of light diodes			Description of the status
Power	<input checked="" type="radio"/>	<input type="radio"/> Modem state	Light diode <i>Power</i> is turned on and starts shining without interruptions.
Relay	<input type="radio"/>	<input type="radio"/> Signal strenght	
Power	<input checked="" type="radio"/>	<input checked="" type="radio"/> Modem state	The light diode <i>Modem State</i> may flash in accordance of the GSM modem logics.
Relay	<input type="radio"/>	<input type="radio"/> Signal strenght	
Power	<input checked="" type="radio"/>	<input type="radio"/> Modem state	Light diodes <i>Relay</i> and <i>Signal Strength</i> are flashing by turns. This status lasts as long as the modem is in progress of being connected to the operator's network.
Relay	<input checked="" type="radio"/>	<input type="radio"/> Signal strenght	
Power	<input checked="" type="radio"/>	<input type="radio"/> Modem state	
Relay	<input type="radio"/>	<input checked="" type="radio"/> Signal strenght	
Power	<input checked="" type="radio"/>	<input type="radio"/> Modem state	When the modem has been connected to the operator's network, the light diode <i>Relay</i> stops flashing and the light diode <i>Signal Strength</i> starts flashing to reflect the Power of the signal being received. The light diode is pulsing, and the quantity of pulses refers to the Power of the signal. One pulse refers to the lowest signal, 7 pulses refer o the highest signal.
Relay	<input type="radio"/>	<input checked="" type="radio"/> Signal strenght	

When the device reaches the last stage specified in the table, it is ready for use.